## **2004 102636**

1. A method of treating a disease, other than cancer, mediated by p-38, comprising administering a compound of formula I

or a pharmaceutically acceptable salt of a compound of formula I wherein

A is

and

B is a substituted or unsubstituted, up to bicyclic aryl or heteroaryl moiety of up to 12 carbon atoms with at least one aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, wherein if B is substituted, it is substituted by one or more substituents selected from the group consisting of halogen, up to per-halo, and  $W_n$ , wherein n is 0-3 and each W is independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7</sup>, -C(O)-R<sup>7</sup>, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7</sup>,

 $-NR^7C(O)OR^{7'}, -NR^7C(O)R^{7'}, C_1-C_{10} \ alkyl, C_{2\text{-}10}-alkenyl, C_{1\text{-}10}-alkoxy, C_{1\text{-}10} \ alkenoyl, C_{3\text{-}10} \ cycloalkyl,$ 

 $C_6$ - $C_{12}$  aryl, optionally substituted by halogen,  $C_1$ - $C_{10}$  alkyl or  $C_{1-10}$ -alkoxy,

 $C_7$ - $C_{24}$  alkaryl,  $C_3$ - $C_{13}$  heteroaryl, optionally substituted by halogen,  $C_1$ - $C_{10}$  alkyl or  $C_{1-10}$ -alkoxy,

substituted  $C_1$ - $C_{10}$  alkyl, substituted  $C_{2-10}$ -alkenyl, substituted  $C_{1-10}$ -alkoxy, substituted  $C_{1-10}$  alkenoyl, substituted  $C_3$ - $C_{10}$  cycloalkyl, substituted  $C_4$ - $C_{23}$  alkheteroaryl optionally substituted by halogen,  $C_1$ - $C_{10}$  alkyl or  $C_{1-10}$  alkoxy and M-L<sup>1</sup>;

wherein if W is a substituted group which does not contain aryl or hetaryl, it is substituted by one or more substituents independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7'</sup>, -NO<sub>2</sub>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7</sup>, and halogen up to per-halo;

wherein if B contains a phenyl group, W is additionally selected from the group consisting of hydroxy,  $OR^{1a}CONHR^7$ ,  $N(SO_2R^7)_2$ ,  $SO_2F$ ,  $SOR^7$ ,  $SO_2R^7$ ,  $SO_2CH_px^a_{3-p}$ , wherein p is 0-3,  $C_{1-10}$  alkoxy substituted  $C_6$ - $C_{12}$  aryl,  $C_1$ - $C_{10}$  alkyl substituted  $C_6$ - $C_{12}$  aryl, halogen substituted  $C_6$ - $C_{12}$  aryl,  $C_1$ - $C_{10}$  alkyl substituted  $C_3$ - $C_{13}$  heteroaryl,  $C_1$ - $C_{10}$  alkoxy substituted  $C_3$ - $C_{13}$  hetaryl and halogen substituted  $C_3$ - $C_{13}$  hetaryl;

wherein each  $R^7$  and  $R^{7'}$  is independently selected from H,  $C_1$ - $C_{10}$  alkyl,  $C_{2-10}$  alkenyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{13}$  hetaryl,  $C_7$ - $C_{24}$  alkaryl,  $C_4$ - $C_{23}$  alkheteroaryl, up to per-halosubstituted  $C_1$ - $C_{10}$  alkyl, up to per-halosubstituted  $C_2$ - $C_{10}$ -alkenyl, up to per-halosubstituted  $C_3$ - $C_{10}$  cycloalkyl, up to per-halosubstituted  $C_6$ - $C_{14}$  aryl and up to per-halosubstituted  $C_3$ - $C_{13}$  hetaryl;

 $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl;

M is -O-, -S-, -N(R<sup>7</sup>)-, -(CH<sub>2</sub>)-<sub>m</sub>, -C(O)-, -CH(OH)-, -(CH<sub>2</sub>)<sub>m</sub>O-, -NR<sup>7</sup>C(O)NR<sup>7</sup>R<sup>7</sup>'-, -NR<sup>7</sup>C(O)-, -C(O)NR<sup>7</sup>-, -(CH<sub>2</sub>)<sub>m</sub>S-, -(CH<sub>2</sub>)<sub>m</sub>N(R<sup>7</sup>)-, -O(CH<sub>2</sub>)<sub>m</sub>-, -CHX<sup>a</sup>, -CX<sup>a</sup><sub>2</sub>-, -S-(CH<sub>2</sub>)<sub>m</sub>- or -N(R<sup>7</sup>)(CH<sub>2</sub>)<sub>m</sub>-;

m = 1-3, and  $X^a$  is halogen; and

 $L^1$  is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur, wherein the aromatic structure is unsubstituted or substituted by halogen up to per-halo and optionally substituted by  $Z_{n1}$ ,

wherein n1 is 0 to 3 and each Z is independently selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, - SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>14</sub> aryl, C<sub>3</sub>-C<sub>13</sub> hetaryl, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, substituted C<sub>7</sub>-C<sub>24</sub> alkaryl and substituted C<sub>4</sub>-C<sub>23</sub> alkheteroaryl; wherein one or more substituents of Z is selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, and -NR<sup>7</sup>C(O)OR<sup>7'</sup>;

wherein  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  are each independently H, halogen,  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo,  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group,  $C_{1-10}$  alkoxy substituted by halogen up to perhaloalkoxy,  $C_{6-12}$  aryl optionally substituted by  $C_{1-10}$  alkoxy or halogen,  $C_{5-12}$  hetaryl optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy, halogen,  $NO_{2}$ ,

 $SO_2F$ ,  $-SO_2CH_px^a_{3-p}$ ,  $-COOR^1$ ,  $-OR^{1a}CONHR^1$ ,  $-NHCOR^1$ ,  $-NR^{1a}COR^1$ ,  $-SR^1$ ,  $NH_2$ , or  $-N(SO_2R^1)_2$ , and

wherein 2 adjacent  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$ can together with the phenyl form naphthyl, optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl, and halogen up to perhalo;

wherein each  $R^1$  is independently H or  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo,  $R^{1a}$  is a  $C_1$ - $C_{10}$  alkyl, and  $R^2$  is  $C_{1-10}$ -alkyl optionally substituted by halogen up to perhalo; where  $L^1$  is phenyl, it is also optionally substituted, by

$$-N$$

2. A method of treating a disease, other than cancer, mediated by p-38, comprising administering a compound of formula Ia

or a pharmaceutically acceptable salt thereof;

wherein  $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are each independently H, hydroxy, halogen,  $C_{1-10}$ - alkyl optionally substituted by halogen up to perhalo,  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group,  $C_1$ - $C_{10}$  alkoxy substituted by halogen up to perhalo;  $C_{6-12}$  aryl optionally substituted by  $C_{1-10}$  alkoxy or halogen;  $C_{5-12}$  hetaryl optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy or halogen;  $NO_2$ ,  $SO_2F$ ,  $-SO_2CH_pX^a_{3-p}$ ,  $-COOR^1$ ,  $-OR^{1a}CONHR^1$ ,  $-NHCOR^1$ ,  $-SR^1$ ,  $NH_2$ ,  $-N(SO_2R^1)_2$ , furyloxy,

$$-N \longrightarrow OR^{1a}CO-N \longrightarrow O$$

$$-N \longrightarrow OR \longrightarrow NH$$

wherein  $X^a$  is halogen, each  $R^1$  is independently H or  $C_1$ - $C_{10}$  alkyl optionally substituted by halogen up to per halo;  $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl and p is 0-3; and

wherein 2 adjacent  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  can together form an aryl or hetaryl ring with 5-12 atoms, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl,  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl,  $C_{6-12}$ -aralkyl,  $C_{6-12}$ -alkaryl, halogen;  $-NR^1R^1$ ;  $-NO_2$ ;  $-CF_3$ ;  $-COOR^1$ ,  $-NHCOR^1$ , -CN,  $-CONR^1R^1$ ,  $-SO_2R^2$ ,  $-SOR^2$  and  $-SR^2$  with  $-SO_2$  optionally incorporated in the aryl or hetaryl ring;

wherein each  $R^1$  is independently H or  $C_{1-10}$ -alkyl optionally substituted by halogen up to perhalo and  $R^2$  is  $C_{1-10}$ -alkyl optionally substituted by halogen up to perhalo;

and wherein one of  $R^3$ ,  $R^4$ ,  $R^5$  or  $R^6$  can be -ML<sup>1</sup>, where M and L<sup>1</sup> are as defined below with the proviso that if  $R^3$  and  $R^6$  are both H, then one of  $R^4$  or  $R^5$  is not H, and

M is -O-, -S-, -N(R<sup>7</sup>)-, -(CH<sub>2</sub>)-<sub>m</sub>, -C(O)-, -CH(OH)-, -(CH<sub>2</sub>)<sub>m</sub>O-, -NR<sup>7</sup>C(O)NR<sup>7</sup>R<sup>7</sup>'-, -NR<sup>7</sup>C(O)-, -C(O)NR<sup>7</sup>-, -(CH<sub>2</sub>)<sub>m</sub>S-, -(CH<sub>2</sub>)<sub>m</sub>N(R<sup>7</sup>)-, -O(CH<sub>2</sub>)<sub>m</sub>-, -CHX<sup>a</sup>, -CX<sup>a</sup><sub>2</sub>-, -S-(CH<sub>2</sub>)<sub>m</sub>- and -N(R<sup>7</sup>)(CH<sub>2</sub>)<sub>m</sub>;

m = 1-3, and  $X^a$  is halogen; and

 $L^1$  is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur, wherein the aromatic structure is unsubstituted or substituted by halogen up to per-halo and optionally substituted by  $Z_{n1}$ ,

wherein n1 is 0 to 3 and each Z is independently selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, - SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7</sup>, -NR<sup>7</sup>C(O)OR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>7</sup>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>12</sub> aryl, C<sub>3</sub>-C<sub>13</sub> hetaryl, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, substituted C<sub>7</sub>-C<sub>24</sub> alkaryl and substituted C<sub>4</sub>-C<sub>23</sub> alkheteroaryl;

wherein the one or more substituents of Z is selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup> and -NR<sup>7</sup>C(O)OR<sup>7'</sup>;

wherein  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  are each independently H, halogen,  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo,  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group,  $C_{1-10}$  alkoxy substituted by halogen up to perhaloalkoxy,  $C_{6-12}$  aryl optionally substituted by  $C_{1-10}$  alkoxy or halogen,  $C_{5-12}$  hetaryl optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy or halogen,  $NO_2$ ,  $SO_2F$ , -  $SO_2CH_pX^a_{3-p}$ , - $COOR^1$ , - $OR^{1a}CONHR^1$ , - $NHCOR^1$ , - $NR^{1a}COR^1$ , - $SR^1$ ,  $NH_2$ , or - $N(SO_2R^1)_2$ ,

wherein each  $R^1$  is independently H or  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo,  $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl,  $X^a$  is halogen, and p is 0 or 1, and

wherein 2 adjacent  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  can together with the phenyl form naphthyl, optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl, and halogen up to perhalo.

## 3. A method according to claim 2, wherein

- $R^{3'}$  is H, halogen,  $C_{1-10}$ -alkyl optionally substituted by halogen, up to perhalo,  $NO_2$ ,  $-SO_2F$  or  $-SO_2CF_3$ ;
- $R^{4^{17}}$  is H, halogen,  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy, halogen or  $NO_2$ ;
- $R^{5'}$  is H or  $C_{1-10}$ -alkyl optionally substituted by halogen, up to perhalo;
- $R^{6'}$  is H,  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group; -COOR<sup>1</sup>; -OR<sup>1a</sup>CONHR<sup>1</sup>; -NHCOR<sup>1</sup>; -SR<sup>1</sup>; phenyl optionally substituted by halo or  $C_{1-10}$ -alkoxy; NH<sub>2</sub>; or -N(SO<sub>2</sub>R<sup>1</sup>)<sub>2</sub>.

## 4. A method according to claim 2, wherein

R<sup>3</sup> is Cl, F, C<sub>4-5</sub>-branched alkyl optionally substituted by halogen up to perhalo, -SO<sub>2</sub>F or -SO<sub>2</sub>CF<sub>3</sub>; and

 $R^6$  is  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group, -COOR<sup>1</sup>, -OR<sup>1a</sup>CONHR<sup>1</sup>, -NHCOR<sup>1</sup>, -SR<sup>1</sup>, phenyl optionally substituted by halo or  $C_{1-10}$ -alkoxy, NH<sub>2</sub>, -N(SO<sub>2</sub>R<sup>1</sup>)<sub>2</sub>, furyloxy,

- 5. A method according to claim 2, wherein  $R^{4'}$  is  $C_{1-10}$ -alkyl or halogen;  $R^{5'}$  is H,  $C_{1-10}$ -alkyl, halogen, CF<sub>3</sub>, NO<sub>2</sub> or NH<sub>2</sub>; and  $R^{6'}$  is H,  $C_{1-10}$ -alkyl, or halogen.
- 6. A method according to claim 2, wherein  $R^5$  is  $C_{1-10}$ -alkyl, halogen,  $CF_3$ , halogen,  $NO_2$  or  $NH_2$ .
- 7. A method according to claim 2, wherein  $R^{6'}$  is  $C_{1-10}$ -alkyl, halogen, -NHCOCH<sub>3</sub> or -N(CH<sub>3</sub>)COCH<sub>3</sub>.
  - 8. A method according to claim 4, wherein  $R^{3'}$  is t-butyl or  $CF_3$  and  $R^{6'}$  is  $OCH_3$ .
- 9. A method according to claim 2, wherein the disease is mediated by a cytokine or protease regulated by p38.
- 10. A method according to claim 2, wherein the disease is mediated by TNFα, MMP-1, MMP-3, IL-1, IL-6 or IL-8.
- 11. A method according to claim 2, wherein the disease is an inflammatory or immunomodulatory disease.
- 12. A method according to claim 2, wherein the disease is osteoarthritis, rheumatoid arthritis, osteoporosis, asthma, septic shock, or inflammatory bowel disease.

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N-(5-tert-Butyl-2-methoxyphenyl)-N<sup>1</sup>-(4-phenyloxphenyl)urea;
N-(5-tert-Butyl-2-methoxyphenyl)-N'(4-(4-methoxyphenyloxy)phenyl)urea;
N-(5-tert-Butyl-2-methoxyphenyl)-N'-(4-(4-pyridinyloxy)phenyl)urea;
N-(5-tert-Butyl-2-methoxyphenyl)-N'-(4-(4-pyridinylmethyl)phenyl)urea;
N-(5-tert-Butyl-2-methoxyphenyl)-N'-(4-(4-pyridinylthio)phenyl)urea;
N-(5-tert-Butyl-2-methoxyphenyl)-N'-(4-(4-(4,7-methano-1H-isoindole-1,3(2H)-
   dionyl)methyl)phenyl)urea;
N-(5-tert-Butyl-2-phenylphenyl)-N'-(2,3-dichlorophenyl)urea;
N-(5-tert-Butyl-2-(3-thienyl)phenyl)-N'-(2,3-dichlorophenyl)urea;
N-(5-tert-Butyl-2-(N-methylaminocarbonyl)methoxyphenyl)-N'-(2,3-
   dichlorophenyl)urea;
N-(5-tert-Butyl-2-(N-methylaminocarbonyl)methoxyphenyl)-N'-(1-naphthyl)urea;
N-(5-tert-Butyl-2-(N-morpholinocarbonyl)methoxyphenyl)-N'-(2,3-dichlorophenyl)urea;
N-(5-tert-Butyl-2-(N-morpholinocarbonyl)methoxyphenyl)-N'-(1-naphthyl)urea;
N-(5-tert-Butyl-2-methoxyphenyl)-N'-(4-(3-pyridinyl)methylphenyl)urea;
N-(5-tert-Butyl-2-(3-tetrahydrofuranyloxy)phenyl)-N'-(2,3-dichlorophenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-methylphenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-methyl-2-fluorophenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-fluoro-3-chlorophenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-methyl-3-chlorophenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-methyl-3-fluorophenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(2,4-difluorophenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-phenyloxy-3,5-dichlorophenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-(4-pyridinylmethyl)phenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-(4-pyridinylthio)phenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-(4-pyridinyloxy)phenyl)urea;
N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(3-(4-pyridinylthio)phenyl)urea;
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A method according to claim 39, wherein the compound of formula I is

13.

N-(5-Trifluoromethyl-2-methoxyphenyl)-N'-(4-(3-(N-methylaminocarbonyl)-

phenyloxy)phenyl)-urea;

N-(5-Fluorosulfonyl)-2-methoxyphenyl)-N'-(4-methylphenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methylphenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluorophenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-2-fluorophenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-3-fluorophenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-3-chlorophenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluoro-3-chlorophenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluoro-3-methylphenyl)urea;

N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(2,3-dimethylphenyl)urea;

N-(5-(Trifluoromethanesulfonyl)-2-methoxphenyl)-N'-(4-methylphenyl)urea;

N-(3-methoxy-2-naphthyl)-N'-(2-fluorophenyl)urea);

N-(3-Methoxy-2-naphthyl)-N'-(4-methylphenyl)urea;

N-(3-Methoxy-2-naphthyl)-N'-(3-fluorophenyl)urea;

N-(3-Methoxy-2-naphthyl)-N'-(4-methyl-3-fluorophenyl)urea;

N-(3-Methoxy-2-naphthyl)-N'-(2,3-dimethylphenyl)urea;

N-(3-Methoxy-2-naphthyl)-N'-(1-naphthyl)urea;

N-(3-Methoxy-2-naphthyl)-N'-(4-(4-pyridinylmethyl)phenyl)urea;

N-(3-Methoxy-2-naphthyl)-N'-(4-(4-pyridinylthio)phenyl)urea;

N-(3-Methoxy-2-naphthyl)-N'-(4-(4-methoxyphenyloxy)phenyl)urea; and

N-(3-Methoxy-2-naphthyl)-N'-(4-(4-(4,7-methano-1H-isoindole-1,3(2H)-dionyl)methyl)phenyl)urea.

N-(2-Hydroxy-4-nitro-5-chlorophenyl)-N'-(phenyl)urea; or

N-(2-Hydroxy-4-nitro-5-chlorophenyl)-N'-(4-(4-pyridinylmethly)phenyl)urea.

# 14. A compound of formula II

$$R^4$$
 $R^5$ 
 $R^6$ 
 $R^6$ 
 $R^{6'}$ 
 $R^{6'}$ 
 $R^{6'}$ 

#### wherein

 $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are each independently H; halogen;  $C_{1-10}$ -alkyl optionally substituted by halogen up to perhalo;  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group;  $NO_2$ ;  $SO_2F$ ;  $-SO_2CH_nX_{3-n}$ ;  $-COOR^1$ ;  $-OR^1CONHR^1$ ;  $-NHCOR^1$ ;  $-SR^1$ ; phenyl optionally substituted by halogen or  $C_{1-10}$ -alkoxy;  $NH_2$ ;  $-N(SO_2R^1)_2$ ; furyloxy;

2 adjacent  $R^3$ - $R^6$  can together form an aryl or hetaryl ring with 5-12 atoms, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl,  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl,  $C_{6-12}$ -aralkyl,  $C_{6-12}$ -alkaryl, halogen; -NR<sup>1</sup>; -NO<sub>2</sub>; -CF<sub>3</sub>; -COOR<sup>1</sup>; -NHCOR<sup>1</sup>; -CN; -CONR<sup>1</sup>R<sup>1</sup>; -SO<sub>2</sub>R<sup>2</sup>; -SOR<sup>2</sup>; -SR<sup>2</sup>; in which R<sup>1</sup> is H or  $C_{1-10}$ -alkyl and R<sup>2</sup> is  $C_{1-10}$ -alkyl;

R<sup>3'</sup>, R<sup>4'</sup> and R<sup>5'</sup> are each independently H, C<sub>1-10</sub>-alkyl, optionally substituted by halogen, up to perhalo; halogen; NO<sub>2</sub> or NH<sub>2</sub>;

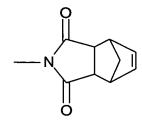
R<sup>6'</sup> is H, C<sub>1-10</sub>-alkyl, halogen, -NHCOR<sup>1</sup>; -NR<sup>1</sup>COR<sup>1</sup>; NO<sub>2</sub>; or 2 adjacent R<sup>4'</sup>-R<sup>6'</sup> can together be an aryl or hetaryl ring with 5-12 atoms;

 $R^1$  is  $C_{1-10}$ -alkyl;

n is 0 or 1;

X is  $-CH_2$ -, -S- or -O-; and

Y is phenyl, pyridyl, naphthyl or benzothiazole, each optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy, halogen or  $NO_2$  or, where Y is phenyl, by



or a pharmaceutically acceptable salt thereof, with the provisos that

- (a) if  $R^3$  and  $R^6$  are both H, one of  $R^4$  or  $R^5$  is not H,
- (b) R<sup>6</sup> is phenyl substituted by alkoxy or halogen, alkoxy substituted by hydroxy, -SO<sub>2</sub>CF<sub>2</sub>H, -OR<sup>1</sup>CONHR<sup>1</sup>, furyloxy, N(SO<sub>2</sub>R<sup>1</sup>)<sub>2</sub>,

or R3 is SO2CF2H, and

(c) the compounds have a pKa greater than 10.

## **15.-16.** (Canceled)

- 17. A compound according to claim 40, wherein  $R^{4'}$  is  $C_{1-10}$ -alkyl or halogen;  $R^{5'}$  is H,  $C_{1-10}$ -alkyl, halogen, CF<sub>3</sub>, halogen, NO<sub>2</sub> or NH<sub>2</sub>; and  $R^{6'}$  is H,  $C_{1-10}$ -alkyl, halogen, -NHCOCH<sub>3</sub>, -N(CH<sub>3</sub>)COCH<sub>3</sub>, or NO<sub>2</sub>.
  - 18. A compound according to claim 40, wherein R<sup>3'</sup> is t-butyl or CF<sub>3</sub> and R<sup>6'</sup> is -OCH<sub>3</sub>.
  - 19. A compound which is

- N-(5-tert-Butyl-2-(N-methylaminocarbonyl)methoxyphenyl)-N'-(2,3-dichlorophenyl)urea;
- N-(5-tert-Butyl-2-(N-methylaminocarbonyl)methoxyphenyl)-N'-(1-naphthyl)urea;
- N-(5-tert-Butyl-2-(N-morpholinocarbonyl)methoxyphenyl)-N'-
- (2,3-dichlorophenyl)urea;
- N-(5-tert-Butyl-2-(N-morpholinocarbonyl)methoxyphenyl)-N'-(1-naphthyl)urea;
- N-(5-tert-Butyl-2-(3-tetrahydrofuranyloxy)phenyl)-N'-(2,3-dichlorophenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methylphenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluorophenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-2-fluorophenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-3-fluorophenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-3-chlorophenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluoro-3-chlorophenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluoro-3-methylphenyl)urea;
- N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(2,3-dimethylphenyl)urea; or
- N-(5-(Trifluoromethanesulfonyl)-2-methoxphenyl)-N'-(4-methylphenyl)urea.

## 20. (Canceled)

- 21. A pharmaceutical composition comprising a compound of claim 40, and a physiologically acceptable carrier.
- 22. A pharmaceutical composition comprising a compound of claim 43, and a physiologically acceptable carrier.
- 23. A method according to claim 2, wherein the disease is the result of host-versus-graft reactions.

#### 24.-25. (Canceled)

- 26. A compound as in claim 44 wherein  $R^{3'}$  is hydrogen, halogen,  $C_1$ - $C_{10}$  alkyl substituted by halogen up to perhalo,  $C_1$ - $C_{10}$  alkoxy substituted by halogen up to perhalo, -NHCOR<sup>1</sup>, -NR<sup>1a</sup>COR<sup>1</sup>, SO<sub>2</sub>F, -NR<sup>1a</sup>CONR<sup>1</sup>, or -SO<sub>2</sub>CH<sub>p</sub>X<sup>a</sup><sub>3-p</sub>.
- 27. A compound as in claim 44 wherein  $R^{3'}$  is hydrogen, Cl, F,  $C_{4-5}$  branched alkyl,  $-SO_2F$ ,  $-SO_2CF_3$  or  $-CF_3$ ,
  - 28. (Canceled)
- 29. A compound as in claim 44 wherein  $R^{3'}$  is t-butyl, -CF<sub>3</sub>, hydrogen, -SO<sub>2</sub>CHF<sub>2</sub> or SO<sub>2</sub>F.
  - 30. (Canceled)
- 31. A compound as in claim 45 wherein  $R^{6'}$  is independently H; halogen;  $C_{1-10^-}$  alkyl optionally substituted by halogen up to perhalo;  $C_{1-10^-}$  alkoxy optionally substituted by at least one hydroxy group;  $NO_2$ ;  $-SO_2CF_2H$ ;  $-COOR^1$ ;  $-OR^{1a}CONHR^1$ ;  $-SR^1$ ;  $-NH_2$ ,  $-N(SO_2R^1)_2$ ,  $-NR^1COR^1$ , furyloxy, morpholinocarbonyl, 2,5-dioxo-1-pyrolindiyl, thiophene or phenyl substituted by halogen or alkoxy.
- 32. A compound as in claim 45 wherein  $R^{6'}$  is phenyl substituted by halo or  $C_{1-10}$  alkoxy, NH<sub>2</sub>, -N(SO<sub>2</sub>R<sup>1</sup>)<sub>2</sub>, furyloxy, thiophene, morpholinocarbonyl, 2,5-dioxo-1-pyrolidinyl, thiophene, -SR<sup>1</sup>, COOR<sup>1</sup> or -OR<sup>1a</sup>CONHR<sup>1</sup>.
  - 33. (Canceled)
  - 34. A compound which is

N-(5-tert-Butyl-2-(N-methylaminocarbonyl)methoxyphenyl)-N'-(2,3-dichlorophenyl)urea;

N-(5-tert-Butyl-2-(N-methylaminocarbonyl)methoxyphenyl)-N'-(1-naphthyl)urea; N-(5-tert-Butyl-2-(N-morpholinocarbonyl)methoxyphenyl)-N'-(2,3-dichlorophenyl)urea;

N-(5-tert-Butyl-2-(N-morpholinocarbonyl)methoxyphenyl)-N'-(1-naphthyl)urea;
N-(5-tert-Butyl-2-(3-tetrahydrofuranyloxy)phenyl)-N'-(2,3-dichlorophenyl)urea;
N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methylphenyl)urea;
N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluorophenyl)urea;
N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-3-fluorophenyl)urea;
N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methyl-3-chlorophenyl)urea;
N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluoro-3-chlorophenyl)urea;
N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluoro-3-methylphenyl)urea;
N-(5-(Difluromethanesulfonyl)-2-methoxyphenyl)-N'-(4-fluoro-3-methylphenyl)urea;
N-(5-(Trifluoromethanesulfonyl)-2-methoxyphenyl)-N'-(4-methylphenyl)urea;

- 35. A pharmaceutical composition comprising a compound of claim 44, and a physiologically acceptable carrier.
- **36.** A pharmaceutical composition comprising a compound of claim 45, and a physiologically acceptable carrier.
  - 37. A compound of formula II

$$R^4$$
 $R^5$ 
 $R^6$ 
 $R^6$ 
 $R^{6}$ 
 $R^{7}$ 
 $R^{6}$ 
 $R^{7}$ 

wherein

 $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are each independently H; halogen;  $C_{1-10}$ - alkyl optionally substituted by halogen up to perhalo;  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group;  $NO_2$ ;  $SO_2F$ ;  $-SO_2CH_nX_{3-n}$ ;  $-COOR^1$ ;  $-OR^1CONHR^1$ ;  $-NHCOR^1$ ;  $-SR^1$ ;  $C_{6-12}$  aryl, optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy or halogen;  $NH_2$ ;  $-N(SO_2R^1)_2$ ; furyloxy;

2 adjacent  $R^3$ ,  $R^4$ ,  $R^5$ , or  $R^6$  can together with the phenyl form naphthyl, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl,  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl,  $C_{6-12}$ -aralkyl,  $C_{6-12}$ -alkaryl, halogen;  $NR^1R^1$ ,  $NO_2$ ;  $-CF_3$ ;  $-COOR^1$ ;  $-NHCOR^1$ ; -CN;  $-CONR^1R^1$ ;  $-SO_2R^2$ ;  $-SOR^2$ ;  $-SR^2$ ; in which  $R^{1a}$  is  $C_{1-10}$  alkyl  $R^1$  is H or  $C_{1-10}$ -alkyl and  $R^2$  is  $C_{1-10}$ -alkyl;

and wherein one of  $R^3$ ,  $R^4$ ,  $R^5$ , or  $R^6$  can be -ML<sup>1</sup>, wherein L<sup>1</sup> and M are as defined below,  $R^{3'}$ ,  $R^{4'}$  and  $R^{5'}$  are each independently H,  $C_{1-10}$ -alkyl, optionally substituted by halogen, up to perhalo; halogen; NO<sub>2</sub> or NH<sub>2</sub>;

R<sup>6'</sup> is H, C<sub>1-10</sub>-alkyl, halogen, -NHCOR<sup>1</sup>; -NR<sup>1</sup>COR<sup>1</sup>; NO<sub>2</sub>; or 2 adjacent R<sup>4'</sup>-R<sup>6'</sup> can together be an aryl or hetaryl ring with 5-12 atoms;

 $R^1$  is  $C_{1-10}$ -alkyl;

n is 0 or 1;

M is -CH<sub>2</sub>-, -S-, N(CH<sub>3</sub>)-, -NHC(O), CH<sub>2</sub>-S-, -S-CH<sub>2</sub>-, -C(O)-, or -O-; and

L<sup>1</sup> is phenyl, pyridyl, naphthyl, pyridone, pyrazine, benzodixane, benzopyridine, pyrimidine or benzothiazole, each optionally substituted by

C<sub>1-10</sub>-alkyl, C<sub>1-10</sub>-alkoxy, halogen or NO<sub>2</sub> or, where L<sup>1</sup> is phenyl, by

$$-N$$

or a pharmaceutically acceptable salt thereof.

### 38. A compound of formula II

wherein  $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are each independently H; halogen;  $C_{1-10}$ - alkyl optionally substituted by halogen up to perhalo;  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group;  $NO_2$ ;  $SO_2F$ ;  $-SO_2CH_nX_{3-n}$ ;  $-COOR^1$ ;  $-OR^1CONHR^1$ ;  $-NHCOR^1$ ;  $-SR^1$ ; phenyl optionally substituted by halogen or  $C_{1-10}$ -alkoxy;  $NH_2$ ;  $-N(SO_2R^1)_2$ ; furyloxy;

2 adjacent  $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  can together with phenyl form naphthyl, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl,  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl,  $C_{6-12}$ -aralkyl,  $C_{6-12}$ -alkaryl, halogen; -NR<sup>1</sup>; -NO<sub>2</sub>; -CF<sub>3</sub>;

-COOR $^1$ ; -NHCOR $^1$ ; -CN; -CONR $^1$ R $^1$ ; -SO $_2$ R $^2$ ; -SOR $^2$ ; -SR $^2$ ; in which R $^1$  is H or C $_{1\text{-}10}$ -alkyl R $^2$  is C $_{1\text{-}10}$ -alkyl; and R $^{1a}$  is C $_{1\text{-}10}$  alkyl.

a wherein one of R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, and R<sup>6</sup> can be ML<sup>1</sup> where M and L<sup>1</sup> are as defined below,

R<sup>3'</sup>, R<sup>4'</sup> and R<sup>5'</sup> are each independently H, C<sub>1-10</sub>-alkyl, optionally substituted by halogen, up to perhalo; halogen; NO<sub>2</sub> or NH<sub>2</sub>;

 $R^{6'}$  is H,  $C_{1-10}$ -alkyl, halogen, -NHCOR<sup>1</sup>; -NR<sup>1</sup>COR<sup>1</sup>; NO<sub>2</sub>;

 $R^1$  is  $C_{1-10}$ -alkyl;

n is 0 or 1;

M is  $-CH_2$ -, -S- or -O-; and

 $L^1$  is phenyl, pyridyl, naphthyl or benzothiazole, each optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy, halogen or  $NO_2$  or, where  $L^1$  is phenyl, by

or a pharmaceutically acceptable salt thereof.

39. A method of treating a disease, other than cancer, mediated by p-38, comprising administering a compound of formula I

or a pharmaceutically acceptable salt of a compound of formula I wherein

A is

and

B is a substituted or unsubstituted, up to bicyclic aryl or heteroaryl moiety of up to 12 carbon atoms with at least one aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, wherein if B is substituted, it is substituted by one or more substituents selected from the group consisting of halogen, up to per-halo, and  $W_n$ , wherein n is 0-3 and each W is independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7</sup>, -C(O)-R<sup>7</sup>, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7</sup>,

-NR $^7$ C(O)OR $^7$ , -NR $^7$ C(O)R $^7$ , C $_1$ -C $_{10}$  alkyl, C $_{2-10}$ -alkenyl, C $_{1-10}$ -alkoxy, C $_{1-10}$  alkenoyl, C $_3$ -C $_{10}$  cycloalkyl, C $_6$ -C $_{12}$  aryl, optionally substituted by halogen, C $_1$ -C $_{10}$  alkyl or C $_{1-10}$ -alkoxy, C $_7$ -C $_{24}$  alkaryl, C $_3$ -C $_{13}$  heteroaryl, optionally substituted by halogen, C $_1$ -C $_{10}$  alkyl or C $_{1-10}$ -alkoxy; substituted

 $C_1$ - $C_{10}$  alkyl, substituted  $C_{2-10}$ -alkenyl, substituted  $C_{1-10}$ -alkoxy; substituted  $C_{1-10}$  alkenoyl, halogen, substituted  $C_3$ - $C_{10}$  cycloalkyl,  $C_4$ - $C_{23}$  alkheteroaryl optionally substituted by halogen,  $C_1$ - $C_{10}$  alkyl or  $C_{1-10}$  alkoxy; and -M- $L^1$ ;

wherein if W is a substituted group which does not contain aryl or hetaryl, it is substituted by one or more substituents independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7'</sup>, -NO<sub>2</sub>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, and halogen up to per-halo;

wherein if B contains a phenyl group, W is additionally selected from the group consisting of hydroxy,  $OR^{1a}CONHR^7$ ,  $N(SO_2R^7)_2$ ,  $SO_2F$ ,  $SO_2F$ ,  $SO_2R^7$ ,  $SO_2CH_pX^a_{3-p}$ , wherein p is 0-3,  $C_{1-10}$  alkoxy substituted  $C_6-C_{12}$  aryl,  $C_1-C_{10}$  alky substituted  $C_6-C_{12}$  aryl, halogen substituted  $C_6-C_{12}$  aryl,  $C_1-C_{10}$  alkyl substituted  $C_3-C_{13}$  heteroaryl,  $C_{1-10}$  alkoxy substituted  $C_3-C_{13}$  hetaryl, halogen substituted  $C_3-C_{13}$  hetaryl, furyloxy;

wherein each  $R^7$  and  $R^{7'}$  is independently selected from H,  $C_1$ - $C_{10}$  alkyl,  $C_{2-10}$ -alkenyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{13}$  hetaryl,  $C_7$ - $C_{24}$  alkaryl,  $C_4$ - $C_{23}$  alkheteroaryl, up to per-halosubstituted  $C_1$ - $C_{10}$  alkyl, up to per-halosubstituted  $C_2$ - $C_{10}$ -alkenyl, up to per-halosubstituted  $C_3$ - $C_{10}$  cycloalkyl, up to per-halosubstituted  $C_6$ - $C_{14}$  aryl and up to per-halosubstituted  $C_3$ - $C_{13}$  hetaryl;

 $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl;

M is -O-, -S-, -N(R<sup>7</sup>)-, -(CH<sub>2</sub>)-<sub>m</sub>, -C(O)-, -CH(OH)-, -(CH<sub>2</sub>)<sub>m</sub>O-, -NR<sup>7</sup>C(O)NR<sup>7</sup>R<sup>7'</sup>-, -NR<sup>7</sup>C(O)-, -C(O)NR<sup>7</sup>-, -(CH<sub>2</sub>)<sub>m</sub>S-, -(CH<sub>2</sub>)<sub>m</sub>N(R<sup>7</sup>)-, -O(CH<sub>2</sub>)<sub>m</sub>-, -CHX<sup>a</sup>, -CX<sup>a</sup><sub>2</sub>-, -S-(CH<sub>2</sub>)<sub>m</sub>- and -N(R<sup>7</sup>)(CH<sub>2</sub>)<sub>m</sub>-;

m = 1-3, and  $X^a$  is halogen; and

 $L^1$  is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur, wherein the aromatic structure is unsubstituted or substituted by halogen up to per-halo and optionally substituted by  $Z_{n1}$ ,

wherein n1 is 0 to 3 and each Z is independently selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, - SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>12</sub> aryl, C<sub>3</sub>-C<sub>13</sub> hetaryl, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, substituted C<sub>7</sub>-C<sub>24</sub> alkaryl and substituted C<sub>4</sub>-C<sub>23</sub> alkheteroaryl; wherein the one or more substituents of Z is selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup> and -NR<sup>7</sup>C(O)OR<sup>7'</sup>;

wherein  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  are each independently H, halogen,  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo,  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group,  $C_{1-10}$  alkoxy substituted by halogen up to perhaloalkoxy,  $C_{6-12}$  aryl optionally substituted by  $C_{1-10}$  alkoxy or halogen,  $C_{5-12}$  hetaryl optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy or halogen,  $NO_2$ ,  $SO_2F$ , -  $SO_2CH_pX^a_{3-p}$ , - $COOR^1$ , - $OR^{1a}CONHR^1$ , - $NHCOR^1$ , - $NR^{1a}COR^1$ , - $SR^1$ ,  $NH_2$ , or - $N(SO_2R^1)_2$ ,

wherein each  $R^1$  is independently H or  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo,  $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl,  $X^a$  is halogen, and p is 0 or 1, and

wherein 2 adjacent  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$ can together with the phenyl form naphthyl, optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl, and, halogen up to perhalo; and

where L<sup>1</sup> is phenyl, it is also optionally substituted, by

$$-N$$

## 40. A compound of formula II

wherein  $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are each independently H; halogen;  $C_{1-10}$ - alkyl optionally substituted by halogen up to perhalo;  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group;  $NO_2$ ;  $SO_2F$ ;  $-SO_2CH_nX^a_{3-n}$ ;  $-COOR^1$ ;  $-OR^{1a}CONHR^1$ ;  $-NHCOR^1$ ;  $-SR^1$ ; phenyl optionally substituted by halogen or  $C_{1-10}$ -alkoxy;  $NH_2$ ;  $-N(SO_2R^1)_2$ ; furyloxy;

wherein each  $R^1$  is independently H or  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo,  $R^{1a}$  is  $C_1$ - $C_{10}$  alkylene,  $X^a$  is halogen, and n is 0 or 1, and

wherein 2 adjacent  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  can together with the phenyl form an aryl or hetaryl ring with 5-12 atoms, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl,  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl,  $C_{6-12}$ -aralkyl,  $C_{6-12}$ -alkaryl, halogen; -NR<sup>1</sup>; -NO<sub>2</sub>; -CF<sub>3</sub>; -COOR<sup>1</sup>; -NHCOR<sup>1</sup>; -CN; -CONR<sup>1</sup>R<sup>1</sup>; -SO<sub>2</sub>R<sup>2</sup>; -SOR<sup>2</sup>; -SR<sup>2</sup>; wherein each R<sup>1</sup> is independently H or  $C_{1-10}$ -alkyl and  $R^2$  is  $C_{1-10}$ -alkyl;

and wherein one of  $R^3$ ,  $R^4$ ,  $R^5$  or  $R^6$  can be -ML<sup>1</sup>, where L<sup>1</sup> and M are as defined below with the proviso that if  $R^3$  and  $R^6$  are both H, then one of  $R^4$  or  $R^5$  is not H, and

M is -CH<sub>2</sub>-, -S- or -O-; and

 $L^1$  is phenyl, pyridyl, naphthyl or benzothiazole, each optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy, halogen or  $NO_2$ ;

R<sup>3'</sup>, R<sup>4"</sup> and R<sup>5'</sup> are each independently H, C<sub>1-10</sub>-alkyl, optionally substituted by halogen, up to perhalo; halogen; NO<sub>2</sub> or NH<sub>2</sub>;

 $R^{6'}$  is H,  $C_{1-10}$ -alkyl, halogen, -NHCOR<sup>1</sup>; -NR<sup>1</sup>COR<sup>1</sup>; NO<sub>2</sub>; where R<sup>1</sup> is  $C_{1-10}$ -alkyl;

or wherein 2 adjacent  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$ can together with the phenyl form naphthyl, optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl, and, halogen up to perhalo; or where  $L^{1}$  is phenyl, it is also optionally substituted, by

or a pharmaceutically acceptable salt thereof, with the provisos that

(a) R<sup>6</sup> is phenyl substituted by alkoxy, phenyl substituted by halogen, alkoxy substituted by hydroxy, -SO<sub>2</sub>CF<sub>2</sub>H, -OR<sup>1</sup>CONHR<sup>1</sup>, furyloxy, -N(SO<sub>2</sub>R<sup>1</sup>)<sub>2</sub>;

or R<sup>3</sup> is SO<sub>2</sub>CF<sub>2</sub>H, and

- (b) the compounds have a pKa greater than 10.
- 41. A compound according to claim 40, wherein

 $R^{3'}$  is H, halogen or  $C_{1-10}$ -alkyl optionally substituted by halogen, up to perhalo,  $NO_2$ ,  $-SO_2F$  or  $-SO_2CF_3$ ;

R<sup>4'</sup> is H, C<sub>1-10</sub>-alkyl, C<sub>1-10</sub>-alkoxy, halogen or NO<sub>2</sub>;

R<sup>5'</sup> is H or C<sub>1-10</sub>-alkyl optionally substituted by halogen, up to perhalo;

 $R^{6'}$  is H or  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group; -COOR<sup>1</sup>; -OR<sup>1a</sup>CONHR<sup>1</sup>; -NHCOR<sup>1</sup>; -SR<sup>1</sup>; phenyl optionally substituted by halo or  $C_{1-10}$ -alkoxy; NH<sub>2</sub>; -N(SO<sub>2</sub>R<sup>1</sup>)<sub>2</sub>.

**42.** A compound according to claim 40, wherein  $R^3$  is Cl, F,  $C_{4-5}$ -branched alkyl,  $-SO_2F$  or  $-SO_2CF_3$ ; and  $R^6$  is hydroxy;  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group;  $-COOR^1$ ;  $-OR^{1a}CONHR^1$ ;  $-NHCOR^1$ ;  $-SR^1$ ; phenyl optionally substituted by halo or  $C_{1-10}$ -alkoxy;  $NH_2$ ;  $-N(SO_2R^1)_2$ , furyloxy,

$$-N \longrightarrow OR^{1a}CO-N \longrightarrow O$$

$$-N \longrightarrow OR \longrightarrow NH$$

## 43. A compound of formula II

$$R^4$$
 $R^5$ 
 $R^6$ 
 $R^{6'}$ 
 $R^{6'}$ 
 $R^{6'}$ 

wherein

 $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are each independently H; halogen;  $C_{1\text{-}10}\text{-}$  alkyl optionally substituted by halogen up to perhalo;  $C_{1\text{-}10}\text{-}$  alkoxy optionally substituted by at least one hydroxy group;  $NO_2$ ;  $SO_2F$ ;  $-SO_2CH_nX^a_{3\text{-}n}$ ;  $-COOR^1$ ;  $-OR^1CONHR^1$ ;  $-NHCOR^1$ ;  $-SR^1$ ; phenyl optionally substituted by halogen or  $C_{1\text{-}10}\text{-}$  alkoxy;  $NH_2$ ;  $-N(SO_2R^1)_2$ ; furyloxy;

wherein  $R^{1a}$  is  $C_{1-10}$  alkyl, n is 0 or 1,  $X^a$  is halogen, each  $R^1$  is independently H or  $C_{1-10}$  or alkyl,

and wherein one of R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> or R<sup>6</sup> can be -ML<sup>1</sup>, where M and L<sup>1</sup> are as defined below with the proviso that if R<sup>3</sup> and R<sup>6</sup> are both H, then one of R<sup>4</sup> or R<sup>5</sup> is not H, and

M is -CH<sub>2</sub>-, -S- or -O-; and

 $L^1$  is phenyl, pyridyl, naphthyl or benzothiazole, each optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1}$ .  $_{10}$ -alkoxy, halogen or  $NO_2$ ;

2 adjacent  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  can together with the phenyl form naphthyl, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl,  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl,  $C_{6-12}$ -aralkyl,  $C_{6-12}$ -alkaryl, halogen; -NR<sup>1</sup>; -NO<sub>2</sub>; -CF<sub>3</sub>; -COOR<sup>1</sup>; -NHCOR<sup>1</sup>; -CN; -CONR<sup>1</sup>R<sup>1</sup>; -SO<sub>2</sub>R<sup>2</sup>; -SOR<sup>2</sup>; -SR<sup>2</sup>; in which R<sup>1</sup> is H or  $C_{1-10}$ -alkyl, and R<sup>2</sup> is  $C_{1-10}$ -alkyl;

R<sup>3'</sup>, R<sup>4'</sup> and R<sup>5'</sup> are each independently H, C<sub>1-10</sub>-alkyl, optionally substituted by halogen, up to perhalo; halogen; NO<sub>2</sub> or NH<sub>2</sub>;

R<sup>6'</sup> is H, C<sub>1-10</sub>-alkyl, halogen, -NHCOR<sup>1</sup>; -NR<sup>1</sup>COR<sup>1</sup>; NO<sub>2</sub>;

or 2 adjacent R<sup>4'</sup>-R<sup>6'</sup> can together be an aryl or hetaryl ring with 5-12 atoms;

 $R^1$  is  $C_{1-10}$ -alkyl;

n is 0 or 1;

or, where L<sup>1</sup> is phenyl, by

or a pharmaceutically acceptable salt thereof with the proviso that

R<sup>6</sup> is alkoxy substituted by hydroxy, -SO<sub>2</sub>CF<sub>2</sub>H, -OR<sup>1</sup>CONHR<sup>1</sup>, furyloxy or (a)  $-N(SO_2R^1)_2$ ; or

$$-N$$
,  $-OR^{1a}CO-N$  or  $-N$   $NH$ 

or R<sup>3</sup> is SO<sub>2</sub>CF<sub>2</sub>H.

#### 44. A compound of the formula

or a pharmaceutically acceptable salt thereof,

B is a substituted or unsubstituted, up to bicyclic aryl or heteroaryl moiety of up to 12 carbon atoms with at least one aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, wherein if B is substituted, it is substituted by one or more substituents selected from the group consisting of halogen, up to per-halo, and W<sub>n</sub>, wherein n is 0-3 and each W

is independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7'</sup>, -C(O)-R<sup>7</sup>, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>,

-NR<sup>7</sup>C(O)OR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>7</sup>,  $C_1$ - $C_{10}$  alkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkoxy,  $C_3$ - $C_{10}$  cycloalkyl,  $C_6$ - $C_{14}$  aryl, optionally substituted by halogen,  $C_7$ - $C_{24}$  alkaryl,  $C_3$ - $C_{13}$  heteroaryl, optionally substituted by halogen,  $C_1$ - $C_{10}$  alkyl or  $C_{1-10}$ -alkoxy,  $C_4$ - $C_{23}$  alkheteroaryl, substituted  $C_1$ - $C_{10}$  alkyl, substituted  $C_3$ - $C_{10}$ -alkenyl, substituted  $C_{1-10}$ -alkoxy, halogen,  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy or halogen, substituted  $C_3$ - $C_{10}$  cycloalkyl, substituted  $C_4$ - $C_{23}$  alkheteroaryl and -ML<sup>1</sup>;

wherein if W is a substituted group which does not contain aryl or hetaryl, it is substituted by one or more substituents independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7'</sup>, -NO<sub>2</sub>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, and halogen up to per-halo;

wherein if B contains a phenyl group, W is additionally selected from the group consisting of hydroxy,  $OR^{1a}CONHR^7$ ,  $N(SO_2R^7)_2$ ,  $SO_2F$ ,  $SO_2F$ ,  $SO_2R^7$ ,  $SO_2CH_pX^a_{3-p}$ , wherein p is 0-3,  $C_{1-10}$  alkoxy substituted  $C_6$ - $C_{12}$  aryl,  $C_1$ - $C_{10}$  alky substituted  $C_6$ - $C_{12}$  aryl, halogen substituted  $C_3$ - $C_{13}$  heteroaryl,  $C_{1-10}$  alkoxy substituted  $C_3$ - $C_{13}$  hetaryl, halogen substituted  $C_3$ - $C_{13}$  hetaryl, furyloxy;

wherein each  $R^7$  and  $R^{7'}$  are independently selected from H,  $C_1$ - $C_{10}$  alkyl,  $C_{2\text{-}10}$ -alkenyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{13}$  hetaryl,  $C_7$ - $C_{24}$  alkaryl,  $C_4$ - $C_{23}$  alkheteroaryl, up to perhalosubstituted  $C_1$ - $C_{10}$  alkyl, up to per-halosubstituted  $C_2$ - $C_{10}$ -alkenyl, up to per-halosubstituted  $C_3$ - $C_{10}$  cycloalkyl, up to per-halosubstituted  $C_6$ - $C_{14}$  aryl and up to per-halosubstituted  $C_3$ - $C_{13}$  hetaryl,

 $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl;

M is -O-, -S-, -N(R<sup>7</sup>)-, -(CH<sub>2</sub>)-<sub>m</sub>, -C(O)-, -CH(OH)-, -(CH<sub>2</sub>)<sub>m</sub>O-, -NR<sup>7</sup>C(O)NR<sup>7</sup>R<sup>7</sup>'-, -NR<sup>7</sup>C(O)-, -C(O)NR<sup>7</sup>-, -(CH<sub>2</sub>)<sub>m</sub>S-, -(CH<sub>2</sub>)<sub>m</sub>N(R<sup>7</sup>)-, -O(CH<sub>2</sub>)<sub>m</sub>-, -CHX<sup>a</sup>, -CX<sup>a</sup><sub>2</sub>-, -S-(CH<sub>2</sub>)<sub>m</sub>- and -N(R<sup>7</sup>)(CH<sub>2</sub>)<sub>m</sub>-;

m = 1-3, and  $X^a$  is halogen; and

 $L^1$  is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur, wherein the aromatic structure is unsubstituted or substituted by halogen up to per-halo and optionally substituted by  $Z_{n1}$ ,

wherein n1 is 0 to 3 and each Z is independently selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, - SR<sup>7</sup>, -NR<sup>7</sup>C(O)OR<sup>7</sup>, -NR<sup>7</sup>C(O)OR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>7</sup>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>12</sub> aryl, C<sub>3</sub>-C<sub>13</sub> hetaryl, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, substituted C<sub>7</sub>-C<sub>24</sub> alkaryl and substituted C<sub>4</sub>-C<sub>23</sub> alkheteroaryl; wherein the one or more substituents of Z is selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>7</sup>, -NR<sup>7</sup>C(O)OR<sup>7</sup>;

wherein  $R^{3'}$ ,  $R^{4'}$  and  $R^{5'}$  are each independently H, hydroxy, halogen,  $C_{1\text{-}10}$ - alkyl optionally substituted by halogen up to perhalo,  $C_{1\text{-}10}$ -alkoxy optionally substituted by at least one hydroxy group,  $C_1$ - $C_{10}$  alkoxy substituted by or halogen up to perhalo,  $C_{6\text{-}12}$  aryl optionally substituted by  $C_{1\text{-}10}$  alkoxy or halogen,  $C_{5\text{-}12}$  hetaryl optionally substituted by  $C_{1\text{-}10}$  alkyl,  $C_{1\text{-}10}$  alkoxy or halogen;  $NO_2$ ,  $SO_2F$ ,  $-SO_2CH_pX^a_{3\text{-}p}$ ,  $-COOR^1$ ,  $-OR^{1a}CONHR^1$ ,  $-NHCOR^1$  - $NR^{1a}COR^1$ ,  $-SR^1$ ,  $NH_2$ ,  $-N(SO_2R^1)_2$ , wherein

 $X^{a}$  is halogen, each  $R^{1}$  is independently H or  $C_{1}$ - $C_{10}$  alkyl optionally substituted by halogen up to per halo;

 $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl, and p is 0 or 1 and wherein

2 adjacent  $R^{3'}$ ,  $R^{4'}$  and  $R^{5'}$  can together with the phenyl group form naphthyl, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl, and halogen up to per halo, and

where L1 is phenyl, optionally by

$$-N$$

wherein R<sup>6</sup> is -SO<sub>2</sub>CF<sub>2</sub>H, -COOR<sup>1</sup>, -OR<sup>1a</sup>CONHR<sup>1</sup>, -SR<sup>1</sup>, -NH<sub>2</sub>, -N(SO<sub>2</sub>R<sup>1</sup>)<sub>2</sub>, -NR<sup>1</sup>COR<sup>1</sup>, furyloxy, morpholinocarbonyl, 2,5-dioxo-1-pyrolidinyl, thiophene, and phenyl substituted by halogen or alkoxy.

## 45. A compound of Formula II

or a pharmaceutically acceptable salt thereof

B is a substituted or unsubstituted, up to bicyclic aryl or heteroaryl moiety of up to 12 carbon atoms with at least one aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, wherein if B is substituted, it is substituted by one or more substituents selected from the group consisting of halogen, up to per-halo, and  $W_n$ , wherein n is 0-3 and each W is independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7</sup>', -C(O)-R<sup>7</sup>, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7</sup>',

-NR $^7$ C(O)OR $^7$ , -NR $^7$ C(O)R $^7$ , C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2-10</sub>-alkenyl, C<sub>1-10</sub>-alkoxy, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>14</sub> aryl, optionally substituted by halogen, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>3</sub>-C<sub>13</sub> heteroaryl, optionally substituted by halogen, C<sub>1</sub>-C<sub>10</sub> alkyl or C<sub>1-10</sub>-alkoxy, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>2-10</sub>-alkenyl, substituted C<sub>1-10</sub>-alkoxy, halogen, C<sub>1-10</sub>-alkyl, C<sub>1-10</sub>-alkoxy or halogen, substituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, substituted C<sub>4</sub>-C<sub>23</sub> alkheteroaryl and -ML $^1$ ;

wherein if W is a substituted group which does not contain aryl or hetaryl, it is substituted by one or more substituents independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>, -C(O)R<sup>7</sup>, -C(O)NR<sup>7</sup>R<sup>7'</sup>, -NO<sub>2</sub>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, and halogen up to per-halo;

wherein if B contains a phenyl group, W is additionally selected from the group consisting of hydroxy,  $OR^{1a}CONHR^7$ ,  $N(SO_2R^7)_2$ ,  $SO_2F$ ,  $SO_2F$ ,  $SO_2R^7$ ,  $SO_2CH_pX^a_{3-p}$ , wherein p is 0-3,  $C_{1-10}$  alkoxy substituted  $C_6$ - $C_{12}$  aryl,  $C_1$ - $C_{10}$  alky substituted  $C_6$ - $C_{12}$  aryl, halogen substituted  $C_3$ - $C_{13}$  heteroaryl,  $C_{1-10}$  alkoxy substituted  $C_3$ - $C_{13}$  hetaryl, halogen substituted  $C_3$ - $C_{13}$  hetaryl, furyloxy;

wherein each  $R^7$  and  $R^{7'}$  are independently selected from H,  $C_1$ - $C_{10}$  alkyl,  $C_{2-10}$ -alkenyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{13}$  hetaryl,  $C_7$ - $C_{24}$  alkaryl,  $C_4$ - $C_{23}$  alkheteroaryl, up to perhalosubstituted  $C_1$ - $C_{10}$  alkyl, up to per-halosubstituted  $C_2$ - $C_{10}$ -alkenyl, up to per-halosubstituted  $C_3$ - $C_{10}$  cycloalkyl, up to per-halosubstituted  $C_6$ - $C_{14}$  aryl and up to per-halosubstituted  $C_3$ - $C_{13}$  hetaryl,

 $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl;

M is -O-, -S-, -N(R<sup>7</sup>)-, -(CH<sub>2</sub>)-<sub>m</sub>, -C(O)-, -CH(OH)-, -(CH<sub>2</sub>)<sub>m</sub>O-, -NR<sup>7</sup>C(O)NR<sup>7</sup>R<sup>7'</sup>-, -NR<sup>7</sup>C(O)-, -C(O)NR<sup>7</sup>-, -(CH<sub>2</sub>)<sub>m</sub>S-, -(CH<sub>2</sub>)<sub>m</sub>N(R<sup>7</sup>)-, -O(CH<sub>2</sub>)<sub>m</sub>-, -CHX<sup>a</sup>, -CX<sup>a</sup><sub>2</sub>-, -S-(CH<sub>2</sub>)<sub>m</sub>- and -N(R<sup>7</sup>)(CH<sub>2</sub>)<sub>m</sub>-;

m = 1-3, and  $X^a$  is halogen; and

 $L^1$  is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur, wherein the aromatic structure is unsubstituted or substituted by halogen up to per-halo and optionally substituted by  $Z_{n1}$ ,

wherein n1 is 0 to 3 and each Z is independently selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, - SR<sup>7</sup>, -NR<sup>7</sup>R<sup>7'</sup>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>12</sub> aryl, C<sub>3</sub>-C<sub>13</sub> hetaryl, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, substituted C<sub>7</sub>-C<sub>24</sub> alkaryl and substituted C<sub>4</sub>-C<sub>23</sub> alkheteroaryl; wherein the one or more substituents of Z is selected from the group consisting of -CN, -NO<sub>2</sub>, -OR<sup>7</sup>, -SR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>7'</sup>, -NR<sup>7</sup>C(O)OR<sup>7'</sup>;

wherein  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  are each independently H, hydroxy, halogen,  $C_{1-10}$ - alkyl optionally substituted by halogen up to perhalo,  $C_{1-10}$ -alkoxy optionally substituted by at least one hydroxy group,  $C_1$ - $C_{10}$  alkoxy substituted by or halogen up to perhalo,  $C_{6-12}$  aryl optionally substituted by  $C_1$ .

 $_{10}$  alkoxy or halogen,  $C_{5-12}$  hetaryl optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy or halogen,  $NO_2$ ,  $SO_2F$ ,  $-SO_2CH_pX^a_{3-p}$ ,  $-COOR^1$ ,  $-OR^{1a}CONHR^1$ ,  $-NHCOR^1$ ,  $-NR^1COR^1$ ,  $-SR^1$ ,  $NH_2$ ,  $-N(SO_2R^1)_2$ ,

wherein  $X^a$  is halogen, each  $R^1$  is independently H or  $C_1$ - $C_{10}$  alkyl optionally substituted by halogen up to per halo;  $R^{1a}$  is  $C_1$ - $C_{10}$  alkyl and p is 0 or 1

and wherein

2 adjacent  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  can together with the phenyl form naphthyl, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl, and halogen up to perhalo; and

wherein R<sup>3'</sup> is SO<sub>2</sub>F or SO<sub>2</sub>CH<sub>2</sub>X<sup>a</sup><sub>3-n·</sub>, where n is 0 or 1.